Reference to last Measurement
8

IInd Final

Job No. 15/15/000030.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... Providing lighting system to Rideline park 512319
malleswaram ward no 15. From ..... To .....

Name of Contractor of nature of Agency ..... M/s Technical manager-2 (BBMP) & KRIDL

Date of commencement of work ~~EE/86/02/WO/21/16-17~~ Date- ~~15~~ 3/3/2017.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Fabricating supplying and erection of swaged tubular pole of height 3.5 mtrs having three sections and provide two coats of red oxide paint and finished with two coats of enamled paint of approved quality and colour. and M.S plate of suitable size 200mm x 200mm x 6mm thick welded at the bottom of the pole (GSM Rs) and 400 mm dia CI/76/2016 Pvc pipe of Int. length						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	fitted to the GI pipe M.S canteen bracket of size 300mm x 200mm (125mm upright) 30A porcelain type cutout/DP fitch (no of leads carrying in core of cable) to the pole shall be erected in cement concrete (1:3:6) including excavation and refilling (@ 3.5 mt. pole top upto bottom 1.5mt 3'dia middle 1.5mt. planting depth into ground) Electrical street light pole.	20 nos	4.70 m			95400/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

512320

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2)	supplying 70W integral pole top luminaire metal halide suitable for pole mounted with tilting arrangement, weather proof, elegant in shape, aesthetic appearance UV stabilized clear Acrylic diffuser, corrosion proof horizontal IC, Rated cut off, IP54 protection, Electrical safety class I the fitting shall have servomagnetic copper choke with capacitor for better power factor wired to operate on 230V 50Hz AC supply with 70W MH/SP.	30	NS	6724/- -E.			134480

EE (Ele) DZ

EE (Ele) DZ

Reference to last Measurement 8

400/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	Bringing charges & Post for gate/ gate/ general fitting on the existing CI/GI of any dry riser using required size & reducer, using new cable wire.		20				
			20		1455	= E-	2900/-
4)	supplying of 1.1kV CU/XLPE cable having all conductor PVC insulated, extruded inner sheathed with, Steel tape (except 2C x 10 Sqmm) wire armoured conforming to IS 3975-1990 (Non flame retarded type) & Extruded PVC outer sheathed armoured cable with ISI IS-1554 Part-1: 1988						

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	3) 3.5 C
5)	Labour
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	of 6 Sqm

Reference to last Measurement 8
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M. A. R. 57 (Rule 116)
Measurement Book

No. B

512321

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Contirnig to CTP 9 qrp - A.						
	4 core 165qmm		528 mtg	14·04		P/d	7413/-20
	3) 3·5 core 25 sqmm		100 mtg	165·60		P/d	16560/—
	5) Labour charges for laying 1·1kv cbg ug cable when supplied by agency in suitg trench of 1Mtr & more on wall/ on pole as reqd in suitg trench/ duct						
	95 sqmm to 165qmm		528 mtg	10·80		P/d	5702-4

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) 25 sqm to 75 sqm		100 mtg		16-20	PHL	16206
6)	Digging of trench &	0-6m	dep x 0 gon				
	side refilling the trench		to be reqd				
	ground level incl consolidating		Sft.				
	complete (Apy cl 8R	(SRR	1-2;	P-7)			
	5) 1m Sand Cradle		495	mtg	781	PHL	38610
7)	laying low tension	Double core copper					
	area Precirculated	1100V grade multi					
	cal copper conductor	single core cable in					
	open or concealed	system of wiring					
	1) upto A(@ 1-5 sqm		120	mtg	15-60	PHL	2232

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

512322

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) supply cd brug & pole pouly cutter with rolve contact on existing wood panel board with velley bolts, nuts, washers cd wiring complete with accessories as per IS 13947.						
	$100-125 A		2	NS	9915	-E-	19830/-
	9) supplying cd brug mcb's on existing mcb DB's with necessary brug material and wiring complete for even isolation on/off						

Reference to last Measurement 8

16201-

38610/-

2232/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with float cut breaker, earthing & lock and conduit & required conforming to IEC 60898 (- S-32A DP 4.5kA)	8	Nil	8491-G			6792
19.	Fabricating supplying & mounting MS box made out of GI sheet suitable for wall/wall mounting fully weather proof with provision for both heat dissipation provided with hinged door with SS/CRC with fully duly locking arrangement suitable size complete with necessary cable entry						

Serial No.
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Reference to last Measurement 8
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M. A. R. 57 (Rule 116)
Measurement Book

No. B

512323

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Pole with gland end box should be painted with 2 coats of red oxide primer paint and finally finished with 2 coats of red oxide primer paint and finally painted with approved colour enamelled metal paint &c complete @ 14 Sqm	2	0000 Sqcm	0.37		P Sqcm	7400/-
4)	Supplying tinned copper lugs and crimping and wiring to terminal point for each of the following fuses.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) 1-5 sqmm		40	nil	21-	-6	801
	6) 16 sqmm		95	nil	11-31	-6	1074-45-
	7) 25 sqmm		20	nil	20-54	-6	411-8
12)	supply of drop micro processor based Astronomical time switch with ring necessary bolts, nuts & washers		2	nil	4586	-6	9172
13)	supply of brass Dron flame warning fabricated out of m.s. angle iron-cooling Unit-with bolts, nuts & washers & painted with 2 coats of red oxide & final two coats						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

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Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Q approved out of 40x40x6mm		10 mtr		263/-	Pkt	2630/-
(4)	supply & fixing Q protective tube channel with cutout on supply wooden panel using suitable nuts, bolts, nd washers if Complete 100A.		6 Nos		360/-	-E-	2160/-
(5)	supply & fixing earthing electrode for grounding conduct. I-c cutout clothy bapnts on the met board Qty complete 2.9Mtr						

Reference to last Measurement 8

80 L
574-45-
11-8
172 L

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15	Supply, bringing with electrode for grounding earthing, D.C. current voltage Supply on the main board dia 2-90 thick with 2 sinking F-2.3.915732 with 12m depth bentonite, washing cal chemical in the pit with 16 through holes 9 12m dia.						
		1		No	2727.	-15-	2727/-
16)	Supply cal bring in cast Iron flat heavy duty table for key duty with necessary treatment watering capacity complete with frontally cable, battery						

Serial No
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M: A. R. 57 (Rule 116)
Measurement Book

No. B

512325

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Reference to last Measurement 8	Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2727/-		and working &c.						
		b) 25 sqcm		4	Ng	362/-	-6	1446/-
	17)	supplying cel dry packing						
		and side of wall thereby not less than						
		3.5m Pole/wall drain cast with						
		excluding cuts for Ry cable 3/1.1kV						
		of 40mm.		20	nts	3651-	-6	6900/-

Reference to last Measurement 8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Add VAT @ 5% charges		9.1%			Total Rs	432260-85
	Add BESCOM charges					38902 Rs	89335-74
						22048 Rs	27786-00
						Total Rs	499382-59
	Certificate Certified that the above bill is correct and payable.						

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

T.N. Reddy
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath [illegible] Palike

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Reference to last Measurement 8

260-85
9335-74
4786-00
9382-59

M. A. R. 57 (Rule 116)
Measurement Book

No. B 512326

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						IT 9865 ~	
						ISI 19729 ~	
						LWC 4933 ~	
						CSR 493 ~	
						PSB 24660 ~	
						Tb 59680 =	

Audited and admitted for Rs. 493241/-
Passed by Cheque for Rs. 433561/-
(Four Lakh Thirty Three thousand five hundred And Thirty one only)
by adjustment Rs. 59680/-

Accounts Superintendent
Exe. Engineer (Elec)
B.B.M.P. Dasarahalli Division